CREATIVE BIOMART®
Assay Kit

Galactose Assay Kit

Product Information

Cat.No. Kit-0355

Product Overview

Galactose Assay Kit is a quantitative colorimetric galactose determination.

Description

GALACTOSE (C6H12O6) is a monosaccharide that is found in dairy products, sugar beets, gums and mucilages. It is also synthesized in mammals, where it forms part of glycolipids and glycoproteins in several tissues. It forms the disaccharide lactose when combined with glucose. Simple, direct and high-throughput assays for galactose determination find wide applications. Galactose Assay Kit uses specific enzyme-coupled reactions to form a colored product. The color intensity at 570 nm or fluorescence intensity at 530 nm/585 nm is directly proportional to the galactose concentration in the sample.

Applications

Direct Assays: galactose in serum, plasma, urine, saliva, milk, culture medium and other biological samples.Drug Discovery/Pharmacology: effects of drugs on galactose metabolism.Food and Beverages: galactose in food and beverages products.

Usage

For research use only (RUO)

Storage

Store all components at -20°C. Shelf life of 12 months after receipt.

Kit Components

Assay Buffer 10 mLEnzyme Mix (Dried) 1 vialDye Reagent 120 μLStandard 1 mL

Detection method Colorimetric, Fluorometric

Compatible Sample Types

Biological Sample, Culture Medium, Milk, Plasma, Saliva, Serum, Urine

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Features & Benefits

Use as little as 20 µL samples. Linear detection range in 96-well plate: 10 to 1000 µM galactose for colorimetric assays and 10 to 100 µM for fluorimetric assays.

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